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# Insect Types in the Collections of the University of Nebraska State Museum

Martin H. Muma

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BULLETIN OF THE UNIVERSITY OF NEBRASKA STATE MUSEUM

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**Insect Types in the Collections  
of the  
University of Nebraska State Museum**

*by*

***Martin H. Muma***

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CONTRIBUTION OF THE DIVISION OF ENTOMOLOGY

MARCH 1952

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# BULLETIN OF THE UNIVERSITY OF NEBRASKA STATE MUSEUM

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## Insect Types in the Collections of the University of Nebraska State Museum

Martin H. Muma<sup>1</sup>

### Introduction

**I**N 1948 the insect collections at the University of Nebraska State Museum were placed in the care of the author. Prior to that date curatorial duties were assumed or assigned to full time teaching or research staff members. As would be expected under the latter circumstances, the organization of study material and types was neglected in many families and genera. Since 1948 type material, because of its intrinsic value, has received considerable attention. All primary and representative secondary types have been assembled in three museum cases and one slide cabinet for curatorial and study convenience.

Fixation of species nearly always is dependent on a study of type material. A knowledge of the existence and location of types is therefore important to the taxonomist and systematist. Although most recent workers cite the location of type and paratype material, earlier workers frequently omitted such citation or were vague, particularly concerning secondary types. Another handicap to the student is the fact that many early species were described in obscure journals or in publica-

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<sup>1</sup> Curator of Entomology, University of Nebraska State Museum 1948-1951; since October 1, 1951 Associate Entomologist, Citrus Experiment Station, University of Florida, Lake Alfred, Florida.

tions no longer available. The following list has been compiled in an attempt to alleviate these problems for type material deposited in this collection.

Deposition of types in the insect collections at the University of Nebraska was initiated by Lawrence Bruner in 1900. In addition to the many Orthoptera types of Bruner, long series of Hymenoptera types of Swenk, Viereck, Cockerell, H. S. Smith and Mickel are deposited here. Williams' aphid types, Dawson's *Serica* types and short series and individual types of many workers have also been placed in the collections. At the present time primary and/or secondary types of about 500 species are contained in the collection. A series of Mallophaga paratypes cited by Carriker, 1903, as deposited in the Nebraska collection has not been located.

In the following list, type material has been segregated into two groups, primary and secondary. Specimens labeled as type, holotype, allotype, lectotype or neotype have been listed as primary types. This material is not normally available for loan. Secondary types include paratypes, metatypes, plesiotypes, autotypes and topotypes. These specimens are available for loan and, except in the case of uniques, for exchange. Cotypes, because of the various interpretations of the term, have been listed in some instances as primary and in others as secondary. The lists have been arranged alphabetically under the various orders to facilitate reference. Each species is cited under the genus designated by the species author. No attempt has been made to indicate present systematic position or validity of the species. As some of the types were designated in obscure publications, the date of the original reference has been cited for each species. A list of these references is given at the end of the type lists. The existence of two or more specimens has been indicated by plurals. Notations under the various species have been confined to information found on the specimen labels.

Location and validation of the listed types required an extensive study of the specimens and literature. Despite all precautions, however, it is expected that specialists will discover errors and omissions. Information concerning such inaccuracies will be appreciated and should be forwarded to L. C. Quate, the present Curator of Entomology.

## Order Thysanura

### Primary Types

*Japyx minimus* Swenk. 1903. One type slide, two specimens.

## Order Orthoptera

### Primary Types

*Allotettix chipmani* Bruner. 1906. Types, male and female.  
Specimen labels are *Tettix chipmani* Bruner.

*Amblytropidia australis* Bruner. 1900-1909. Types, female and males.

*Amblytropidia trinitatus* Bruner. 1900-1909. Types, male and females.

*Aptoceras margaritatus* Bruner. 1900-1909. Type, male.

*Arnilia colombiae* Bruner. 1900-1909. Type, female.

*Arnilia fissicauda* Bruner. 1900-1909. Type, male.

*Bibracte malagassa* Bruner. 1910. Type, male.

*Bliastes insularis* Bruner. 1906. Types, females.

*Brisilis chipmani* Bruner. 1906. Types, females.

*Bucephalacris paraguayensis* Bruner. 1906A. Type, female.

*Caloscirtus rubripennis* Bruner. 1911. Type, male.

*Chrysopacris atrocephala* Bruner. 1900-1909. Type, male.

*Cornops insularis* Bruner. 1900-1909. Types, male and female.

*Cylindrotettix insularis* Bruner. 1906. Types, females.

*Cytoxipha atrifrons* Bruner. 1916. Types, male and female.

*Dichroattettix viridifrons* Bruner. 1900. Types, male and female.

*Dichromorpha australis* Bruner. 1900. Types, male and female.

*Dichroplus brasiliensis* Bruner. 1906. Types, male and female.

*Dichroplus cinereus* Bruner. 1900. Types, males and females.

*Dichroplus conspersus* Bruner. 1900. Types, male and female.

*Dichroplus obscurus* Bruner. 1900. Type, female.

*Dichroplus schulzi* Bruner. 1906A. Types, male and female.

*Dichroplus vittatus* Bruner. 1900. Types, male and female.

*Diponthus crassus* Bruner. 1910A. Type, female.

*Ectatoderus insularis* Bruner. 1906. Type, male.

*Elaeochlora angustipennis* Bruner. 1900. Type, male.

*Eujivarus meridionalis* Bruner. 1911. Types, male and female.

*Euplectrotettix conspersus* Bruner. 1900. Type, female.

*Euplectrotettix ferrugineus* Bruner. 1900. Types, male and female.

*Euplectrotettix prasinus* Bruner. 1900. Type, female.

- Euplectrotettix schulzi* Bruner. 1900. Types, male and female.  
*Eusitalces vittatus* Bruner. 1911. Type, male.  
*Eutryxalis strigata* Bruner. 1900. Type, female.  
*Fenestra argentina* Bruner. 1900. Type, male.  
*Fenestra intermedia* Bruner. 1900. Type, male.  
*Fenestra pulchripennis* Bruner. 1900. Types, male and females.  
*Graea monstrosa* Bruner. 1900. Type, male.  
*Inusia chipmani* Bruner. 1906. Types, males and female.  
*Inusia janeirensis* Bruner. 1900-1909. Type, male.  
*Jodacris coeruleipennis* Bruner. 1900. Types, males.  
*Jodacris nebulosa* Bruner. 1900. Type, male.  
*Leptysma argentina* Bruner. 1906A. Type, male.  
*Leptysma gracilis* Bruner. 1906A. Types, male and female.  
*Leptysma minima* Bruner. 1906. Type, female.  
*Micronotus hancocki* Bruner. 1906. Type, male.  
*Nautia ornatipes* Bruner. 1900-1909. Type, female.  
*Nautia vitta-genae* Bruner. 1900-1909. Type, male.  
*Nemobius aquaticus* Bruner. 1916. Types, males and females.  
*Nemobius argentinus* Bruner. 1916. Types, male and female.  
*Nephele gracilis* Bruner. 1900. Types, male and female.  
*Oecanthus immaculatus* Bruner. 1906. Type, female.  
*Omalotettix meridionalis* Bruner. 1900-1909. Types, male and female.  
*Orphula gracilicornis* Bruner. 1910A. Types, male and female.  
*Orphulella chipmani* Bruner. 1906. Types, male and female.  
*Orphulella insularis* Bruner. 1906. Types, male and female.  
*Paracornops paraguayense* Bruner. 1906A. Type, female.  
*Paracornops politus* Bruner. 1906A. Type, male.  
*Paraleuas minor* Bruner. 1906A. Types, male and females.  
*Paraleuas punctipennis* Bruner. 1906A. Type, female.  
*Parascopas sanguineus* Bruner. 1910A. Type, male.  
*Parastagmatoptera vitrepennis* Bruner. 1906. Type, male.  
*Parorphula gramminea* Bruner. 1900. Types, male and female.  
*Parorphula pallidnota* Bruner. 1900. Type, female.  
*Parorphula strigata* Bruner. 1900. Type, female.  
*Paurotarsus rugosus* Bruner. 1906. Types, male and female.  
*Phaeoparia immaculata* Bruner. 1900-1909. Types, males and female.  
*Phylloptera fosteri* Caudell. 1906. Type, female.

- Plectrotettix brasiliensis* Bruner. 1900-1909. Types, male and female.
- Plectrotettix varipes* Bruner. 1905. Types, males and females.
- Rhabdocirtus vittatus* Bruner. 1911. Type, female.
- Scotussa brasiliensis* Bruner. 1906A. Types, males and females.
- Scyllina braziliensis* Bruner. 1900-1909. Types, male and female.
- Scyllina prattensis* Bruner. 1900-1909. Types, male and female.
- Sitalces ovatipennis* Bruner. 1900-1909. Types, male and female.
- Sitalces trinitatis* Bruner. 1906. Types, male and female.
- Sitalces varipennis* Bruner. 1900-1909. Type, male.
- Stirapleura obscura* Bruner. 1900. Type, female.
- Stirapleura pallida* Bruner. 1900. Type, female.
- Stylopigia meridionalis* Bruner. 1906. Types, male and female.
- Tettigidea imperfecta* Bruner. 1906. Type, female.
- Tettigidea trinitatus* Bruner. 1906. Types, males and females.
- Tettix gracilis* Bruner. 1906. Type, male.
- Tridactylus australis* Bruner. 1916. Types, males and females.
- Tridactylus obscurus* Bruner. 1916. Types, male and female.
- Trilophidia minor* Bruner. 1910. Type, female.
- Trimerotropis salina* McNeill. 1900. Type, female.
- Tropidonotus conspersus* Bruner. 1900. Type, male. Specimen labeled *Tropinotus*.
- Tropidonotus schulzi* Bruner. 1900. Type, male. Specimen labeled *Tropinotus*.
- Tropinotus gracilis* Bruner. 1905. Types, males and females.
- Tropinotus mexicanus* Bruner. 1906A. Type, female.

#### Secondary Types

- Alcamenes cristatus* Bruner. 1906A. Paratypes, males, and females, Specimen labels read type on two females and one male and cotype on one male.
- Aleuas brachypterus* Bruner. 1906A. Paratypes, male and females. Specimen labels read type.
- Amblycorypha scudderi* Bruner. 1891. Paratype, male. Specimen labeled type.
- Amblyscapheus lineatus* Bruner. 1906A. Paratype, female. Specimen label reads type.
- Amblytropidia robusta* Bruner. 1906A. Paratypes, male and females. Specimen labels read type.



- Aptoceras margaritatus* Bruner. 1900-1909. Paratype, male. Specimen label reads cotype.
- Arnilia coccineipes* Bruner. 1906A. Paratypes, male and females. Specimens labeled type.
- Bibracte malagassa* Bruner. 1910. Paratypes, male and female. Specimens labeled cotype.
- Caprorhinus squamipennis* Bruner. 1910. Paratype, male. Specimen labeled cotype.
- Cephalocoema vittata* Bruner. 1911. Paratype, female. Specimen labeled *vitatta*, cotype.
- Chlorus vittatus* Bruner. 1906A. Paratype, female. Specimen labeled type.
- Chrysopacris atrocephala* Bruner. 1900-1909. Paratype, male. Specimen labeled cotype.
- Dichroplus cinctipes* Bruner. 1906A. Paratypes, males and females. Specimens labeled type.
- Dichroplus dubius* Bruner. 1906A. Paratypes, males and females. Specimens labeled type except for one female labeled cotype.
- Dichroplus paraguayensis* Bruner. 1906A. Paratypes, male and female. Specimens labeled type.
- Diponthus paraguayensis* Bruner. 1906A. Paratypes, males and females. Specimens labeled type.
- Erioleus jamaicensis* Bruner. 1915. Paratype, male. Specimen labeled cotype.
- Eujivarus fusiformis* Bruner. 1911. Paratype, female. Specimens labeled cotype.
- Eurotettix minor* Bruner. 1906A. Paratype, male. Specimen labeled type.
- Grammadera chapadensis* Bruner. 1915. Paratype, male. Specimen labeled cotype.
- Hyalopteryx specularis* Bruner. 1906A. Paratypes, male and female. Specimens labeled cotype.
- Leiotettix flavipes* Bruner. 1906A. Paratypes, females. Specimens labeled cotype.
- Leiotettix punctipes* Bruner. 1906A. Paratypes, females. Specimens labeled cotype except for one which is labeled type.
- Leiotettix sanguineus* Bruner. 1906A. Paratypes, male and female. Specimens labeled type.

- Leiotettix viridis* Bruner. 1906A. Paratypes, females. One specimen labeled type, the other cotype.
- Leuraphyllum bolivianum* Bruner. 1915. Metatypes, male and female.
- Masyntes chapadensis* Bruner. 1911. Paratypes, male and female. Specimens labeled cotype.
- Melanoplus harbaceus* Bruner. 1893. Paratype, female. Specimen labeled type.
- Meloscirtus australis* Bruner. 1906A. Paratype, female. Specimen labeled type.
- Meloscirtus montanus* Bruner. 1913. Paratype, female. Specimen labeled cotype.
- Munatia australis* Bruner. 1906A. Paratypes, male and females. Specimens labeled type.
- Nannotettix steinbachi* Bruner. 1915. Paratype, female.
- Omalotettix meridionalis* Bruner. 1900-1909. Paratypes, male and female. Specimens labeled cotype.
- Omalotettix signatipes* Bruner. 1906A. Paratypes, male and females. Specimens labeled type.
- Ommatolampis peruviana* Bruner. 1910B. Paratype, female. Specimen labeled cotype.
- Orphula gracilicornis* Bruner. 1910A. Paratypes, females. Specimens labeled cotype.
- Orphulella obscura* Bruner. 1906A. Paratype, female. Specimen labeled cotype.
- Paracornops aquaticum* Bruner. 1906A. Paratype, male. Specimen the same as that indicated as the type but does not carry U.S.N.M. catalogue number.
- Paradichroplus andeanus* Bruner. 1913. Paratype, male. Specimen labeled cotype.
- Paradichroplus geniculatus* Bruner. 1911. Paratypes, male and female. Specimens labeled cotype.
- Paradichroplus rubripes* Bruner. 1911. Paratype, female. Specimen labeled cotype.
- Paraleuas fosteri* Bruner. 1906A. Paratypes, females. Specimens labeled type.
- Parasitalces sexnotata* Bruner. 1911. Paratype, female. Specimen labeled cotype.
- Parorphula latipennis* Bruner. 1911. Paratypes, male and female. Specimens labeled cotype.

- Phlugis irregularis* Bruner. 1915. Paratype, female. Specimen labeled type.
- Scotussa rubripes* Bruner. 1906A. Paratypes, male and female. Specimens labeled type.
- Sitalces infuscatus* Bruner. 1900-1909. Paratypes, male and female. Specimens labeled cotype.
- Sitalces ovatipennis* Bruner. 1900-1909. Paratypes, male and female. Specimens labeled cotype.
- Sitalces robustus* Bruner. 1900-1909. Paratypes, male and female. Specimens labeled cotype.
- Stenobothrus olivaceus* Morse. 1893. Paratypes, male and female. Specimens labeled type.
- Tettigidea corrugata* Bruner. 1910C. Paratype, female. Specimen labeled cotype.
- Tettigidea gracilicornis* Bruner. 1910C. Paratype, female. Specimen labeled cotype.
- Tettigidea intermedia* Bruner. 1910C. Paratype, female. Specimen labeled type.
- Tropinotus lineatus* Bruner. 1906A. Paratypes, male and females. Specimens labeled type.
- Tropinotus regularis* Bruner. 1906A. Paratypes, male and female. Specimens labeled type.
- Xiphidion recticauda* Bruner. 1915. Paratype, female. Specimen labeled cotype.
- Zoniopoda exilipes* Bruner. 1906A. Paratypes, males and female. Specimens labeled type.
- Zoniopoda robusta* Bruner. 1911. Paratype, female, Specimen labeled cotype.
- Zoniopoda similis* Bruner. 1906A. Paratypes, male and female. Specimens labeled type.
- Zygolistron modestrum* Bruner. 1911. Paratype, female. Specimen labeled cotype.

### Order Isoptera

#### Secondary Types

- Kaloterms pervarvus* Emerson. 1925. Paratypes, worker and soldier.
- Nasutitermes nasutissimus* Emerson. 1925. Paratypes, workers and soldiers. Labeled "same vial as holotype."

## Order Mallophaga

### Primary Types

*Trichodectes castoris* Osborn. 1896. One slide, type material.

*Trichodectes mephitidis* Osborn. 1896. Five slides, type material.

## Order Thysanoptera

### Secondary Types

*Trichothrips americanus* Hood. 1908. One slide, female paratypes.

## Order Hemiptera

### Primary Types

*Annectus pallidus* Zimmer. 1910. Type, female.

*Euschistus latimarginatus* Zimmer. 1910. Type, female.

### Secondary Types

*Blissus iowensis* Andre. 1937. Paratype, nymph.

*Corythuca associate* Osborn and Drake. 1916A. Paratype, female.

*Corythuca aesculi* Osborn and Drake. 1916. Paratype, male.

*Euschistus latimarginatus* Zimmer. 1910. Paratypes, females and male metatype.

*Gerris pingreensis* Drake and Hottes. 1925. Paratype, male.

*Gerris rahli* Drake and Harris. 1934. Paratype, female.

*Lopidea lepidii* Knight. 1918. Autotype, male.

*Lopidea teton* Knight. 1923. Autotype, female.

*Phymata borica* Evans. 1931. Paratype, male.

*Phymata pacifica* Evans. 1931. Paratypes, male and female.

*Platyleltus rubellicollis confluens* Knight. 1923A. Autotype, male.

*Polymerus chrysopsis* Knight. 1925. Paratype, male and autotype male.

*Polymerus flaviloris* Knight. 1925. Paratype, female and autotype female.

*Polymerus proximus* Knight. 1923A. Autotype, female.

## Order Homoptera

### Primary Types

*Aphis artemisicola* Williams. 1911. Types, slide number 53, several wingless viviparous females and immatures.

*Aphis canae* Williams. 1911. Types, slide number 54, one winged viviparous female and six immatures.

- Aphis chrysanthemicola* Williams. 1911. Types, slides number 55 and 56, winged and wingless adults and immatures, about 38 specimens.
- Aphis cnici* Williams. 1911. Types, slide number 57, three winged viviparous females and three immatures.
- Aphis lilicola* Williams. 1911. Types, slides number 67 and 68, winged and wingless viviparous females and immatures.
- Aphis lonicericola* Williams. 1911. Types, slide number 70, several wingless viviparous females and immatures.
- Aphis lugentis* Williams. 1911. Types, slide number 71, one winged and two wingless viviparous females and several immatures.
- Aphis parthenocissi* Williams. 1911. Types, slides number 81 and 82, several wingless viviparous females and many immatures.
- Aphis pentstemonis* Williams. 1911. Types, slides number 83 and 84, winged males and viviparous females.
- Aphis saniculae* Williams. 1911. Types, slide number 86, three winged viviparous females and three immatures.
- Aphis sativae* Williams. 1911. Types, slide number 87, one winged adult and two immatures.
- Aphis senecionis* Williams. 1911. Types, slide number 88, winged and wingless viviparous females.
- Aphis solidaginifoliae* Williams. 1911. Types, slides number 91 and 92, wingless viviparous and oviparous females and immatures.
- Aphis yuccicola* Williams. 1911. Types, slides number 97, 98, and 99, winged and wingless viviparous females and immatures.
- Cacama furcata* Davis. 1919. Type, female.
- Chryptosiphum canadensis* Williams. 1911. Types, slides number 161 and 162, wingless viviparous females.
- Clidophleps astigma* Davis. 1917. Type, female. Labeled *asigma*.
- Lachnus ponderosae* Williams. 1911. Types, slide number 24, two winged and one wingless viviparous females.
- Myzus oenotherae* Williams. 1911. Types, slides number 103 and 104, winged and wingless viviparous females and immatures.

- Myzus potentillae* Williams. 1911. Types, slides number 107 and 108, winged and wingless viviparous females and immatures.
- Myzus thalictri* Williams. 1911. Types, slides number 111 and 112, winged viviparous and wingless oviparous and viviparous females and immatures.
- Okanagana aurantiaca* Davis. 1917. Type, female and male allotype.
- Pemphigus alnifolius* Williams. 1911. Types, slide number 4, one winged viviparous female and several immatures.
- Pemphigus balsamiferae* Williams. 1911. Types, slide number 8 (or 5) winged viviparous females, a stem mother and immatures.
- Pemphigus walshii* Williams. 1911. Types, slide not numbered, winged and wingless viviparous females and immatures.
- Phorodon cynoglossi* Williams. 1911. Types, slides number 157, 158, and 159, winged and wingless viviparous females.
- Phorodon monardae* Williams. 1911. Types, slide number 160, one winged viviparous female and several immatures.
- Rhopalosiphum dianthi* var. *poae* Williams. 1911. Types, slide number 119, two winged viviparous females and several immatures.
- Siphonophora artemisicola* Williams. 1911. Types, slide number 126, wingless viviparous females and immatures.
- Siphonophora carnosa* var. *impatiens* Williams. 1911. Types, slides number 127, 128, and 129, one wingless viviparous female and several immatures.
- Siphonophora chrysanthemicolens* Williams. 1911. Types, slides number 131 and 132, wingless viviparous females and immatures.
- Siphonophora desmodii* Williams. 1911. Types, slides number 133, 134, and 135, wingless viviparous females and immatures.
- Siphonophora gaurae* Williams. 1911. Types, slide number 140, two wingless viviparous females, one winged viviparous female and immatures.
- Siphonophora guarina* Williams. 1911. Types, slide number 141, wingless viviparous females and an immature.
- Siphonophora grindeliae* Williams. 1911. Types, slide number 142, one winged viviparous female and immatures.

**Secondary Types**

- Aphis ceanothi-hirsuti* Essig. 1911. Paratypes, labeled cotype, two slides, four specimens.
- Callipterus californicus* Essig. 1917. Paratypes, labeled cotype, one slide, two specimens.
- Eichochaitophorus populifoli* Essig. 1912. Paratypes, labeled cotype, two slides, three specimens.
- Fullawaya saliciradicis* Essig. 1912. Paratype, one slide, one specimen.
- Lachnus glehnus* Essig. 1915. Paratypes, labeled cotype, two slides, four specimens.
- Macrosiphum albifrons* Essig. 1911. Paratypes, labeled cotype, one slide, two specimens.
- Macrosiphum laevigatae* Essig. 1911. Paratype, labeled cotype, one slide, one specimen.
- Micrella monelli* Essig. 1912. Paratype, labeled cotype, one slide, one specimen.
- Symydobius macrostachyae* Essig. 1912. Paratypes, labeled cotypes, one slide, two specimens.
- Symydobius salicicorticis* Essig. 1912. Paratypes, labeled cotype, two slides, two specimens.

**Order Coleoptera****Primary Types**

- Bolbocerosoma biplagiatum* Dawson and McColloch. 1924. Type, male.
- Bolbocerosoma bruneri* Dawson and McColloch. 1924. Type, male and female allotype.
- Megacheuma melanosticum* Mickel. 1919. Type, female and male allotype.
- Myodites fasciatus* var. *brunneus* Pierce. 1904. Type, female.
- Serica apatela* Dawson. 1922. Type, male and female allotype.
- Serica aspersa* Dawson. 1922. Type, male and female allotype.
- Serica campestris* Dawson. 1919. Type, male and female allotype.
- Serica carolina* Dawson. 1920. Type, male and female allotype.
- Serica cucullata* Dawson. 1919. Type, male and female allotype.
- Serica delicata* Dawson. 1922. Type, male.
- Serica elusa* Dawson. 1919. Type, male and female allotype.
- Serica lecontei* Dawson. 1921. Type, male and female allotype.

- Serica loxia* Dawson. 1920. Type, male and female allotype.  
*Serica mystaca* Dawson. 1922. Type, male and female allotype.  
*Serica ochrosoma* Dawson. 1919. Type, male and female allotype.  
*Serica opposita* Dawson. 1921. Type, male and female allotype.  
*Serica perigonia* Dawson. 1920. Type, male and female allotype.  
*Serica pusilla* Dawson. 1922. Type, male.  
*Serica sculptilis* Dawson. 1922. Type, male and female allotype.  
*Serica sericea* Illiger. Dawson. 1922. Neotypes, male and female.  
*Serica solita* Dawson. 1922. Type, male and female allotype.  
*Serica spicula* Dawson. 1921. Type, male and female allotype.  
*Serica sponsa* Dawson. 1919A. Type, male and female allotype.  
*Serica tantula* Dawson. 1922. Type, male.  
*Serica vespertina accola* Dawson. 1921. Type, male and female allotype.

#### Secondary Types

- Bolbocerosoma confusum* Brown. 1928. Paratype, female.  
*Bolbocerosoma pusillum* Dawson and McColloch. 1924. Paratype, female.  
*Eleodes ampla* Blaisdell. 1909. Paratypes, male and female.  
*Eleodes extricata utahensis* Blaisdell. 1921. Paratype, female.  
*Eleodes parowana* Blaisdell. 1925. Paratype, male.  
*Epitrix tuberosa* Gentner. 1944. Paratypes, males and females.  
*Myodites solidaginis* Pierce. 1904. Paratypes, male and female, labeled cotypes.  
*Rhipiphorus acutipennis* Pierce. 1904. Paratypes, females labeled cotypes.  
*Serica anthracina* LeConte. 1856. Metatype, male.  
*Serica campestris* Dawson. 1919. Paratypes, males and females.  
*Serica carolina* Dawson. 1920. Paratypes, males and females.  
*Serica cucullata* Dawson. 1919. Paratypes, males and females.  
*Serica curvata* LeConte. 1856. Metatype, male.  
*Serica delicata* Dawson. 1922. Paratypes, males.  
*Serica elusa* Dawson. 1919. Paratypes, males.  
*Serica evidens* Blatchley. 1919. Paratype, female.  
*Serica loxia* Dawson. 1920. Paratypes, males.  
*Serica ochrosoma* Dawson. 1919. Paratypes, males and females.  
*Serica opposita* Dawson. 1921. Paratypes, males and females.



*Serica perigonia* Dawson. 1920. Paratypes, males and females.  
*Serica solita* Dawson. 1922. Paratypes, males and females.  
*Serica spicula* Dawson. 1921. Paratypes, males and females.  
*Serica sponsa* Dawson. 1919. Paratypes, males and females.  
*Serica vespertina accola* Dawson. 1921. Paratypes, males and females.

### Order Lepidoptera

#### Secondary Types

*Evetria bushnelli* Busck. 1914. Topotypes, male and female.

### Order Diptera

#### Primary Types

*Brachypalpus inarmatus* Hunter. 1897. Type, male.  
*Cartosyrphus longipilosa* Wehr. 1924. Type, male.  
*Chilosia laevifrons* Jones. 1907. Type, male.  
*Chilosia livida* Wehr. 1924. Type, male.  
*Chrysotoxum cuneatum* Wehr. 1924. Type, female.  
*Chrysotoxum currani* Wehr. 1924. Type, female.  
*Cuterebra abdominalis* Swenk. 1905. Holotype, female.  
*Cuterebra albifrons* Swenk, 1905. Holotype, female.  
*Cuterebra buccata* (Fabr.). Swenk, 1905. Neotype, female.  
*Cuterebra cuniculi* Clark. Swenk, 1905. Neotype, female.  
*Cuterebra cyanella* Jones. 1906. Holotype, female.  
*Cuterebra fasciata* Swenk. 1905. Holotype, male.  
*Cuterebra fontinella* Clark. Swenk, 1905. Allotype, male.  
*Eristalis nitidis* Wehr. 1924. Type, female and male allotype.  
*Lasiopogon quadrivittatus* Jones. 1907A. Type, female.  
*Olfersia albipennis* Say. Swenk, 1916. Neotype.  
*Olfersia botaurinorum* Swenk. 1916. Type.  
*Olfersia scutellaris* Swenk. 1916. Type.  
*Olfersia wolcottii* Swenk. 1916. Type.  
*Ornithomyia buteonis* Swenk. 1916. Type.  
*Ornithomyia costaricensis* Swenk. 1916. Type.  
*Ornithomyia pirangae* Swenk. 1916. Type.  
*Pocata bomboides* Hunter. 1897. Type, male.  
*Pterallastes perfidiosus* Hunter. 1897. Type, female.  
*Silvius microcephalus* Wehr. 1924A. Type, female.  
*Stratiomyia bruneri* Johnson. 1895. Types, male and female.  
*Triclis flavipilis* Jones. 1907A. Type, female.  
*Tropidia montana* Hunter. 1896. Cotypes, male and female.

### Secondary Types

- Cartosyrphus longipilosa* Wehr. 1924. Paratypes, males.  
*Chilosia dakota* Hull and Fluke. 1950. Paratypes, males.  
*Chilosia livida* Wehr. 1924. Paratypes, males.  
*Chrysotoxum luteopilosa* Curran. 1924. Paratype, female.  
*Culicoides palmerae* James. 1943. Paratypes, male and female.  
*Eristalis nitidis* Wehr. 1924. Paratypes, male and female.  
*Lasiopogon quadrivittatus* Jones. 1907A. Paratypes, females.  
*Leucozona americana* Curran. 1923. Paratype, female. Variety not indicated on label.  
*Mallota facialis* Hunter. 1896A. Metatypes, male and female.  
*Platychirus nodosus* Curran. 1923A. Paratype, male.  
*Tabanus orbicallus* Philip. 1936. Paratype, male.

### Order Siphonaptera

#### Primary Types

- Pulex bruneri* Baker. 1895. Type, one slide.

### Order Hymenoptera

#### Primary Types

- Agapostemon bruneri* Crawford. 1901. Types, male and female.  
*Agapostemon californicus* Crawford. 1901. Types, males and female.  
*Agapostemon coloradensis* Crawford. 1901. Types, females.  
*Agapostemon fasciatus* Crawford. 1901. Types, males and females.  
*Agapostemon femoratus* Crawford. 1901. Types, males.  
*Ancistromma bruneri* Smith. 1906. Type, male.  
*Ancistromma sericifrons* Smith. 1906. Type, male.  
*Andrena asmi* Viereck. 1904. Type, female.  
*Andrena autumnalis* Viereck and Cockerell. 1914. Type, female.  
*Andrena bruneri* Viereck and Cockerell. 1914. Type, female.  
*Andrena castillensis* Viereck and Cockerell. 1914. Type, female.  
*Andrena cheyennorum* Viereck and Cockerell. 1914. Type, male and female allotype.  
*Andrena compactiscopa* Viereck. 1904. Type, female.  
*Andrena crassihirta* Viereck. 1904. Type, female.  
*Andrena decussata* Viereck. 1904. Type, female and male allotype.  
*Andrena jockorum* Viereck and Cockerell. 1914. Type, male.  
*Andrena laramiensis* Viereck and Cockerell. 1914. Type, male.

- Andrena lawrencei* Viereck and Cockerell. 1914. Type, female.  
*Andrena lincolnella* Viereck and Cockerell. 1914. Type, female.  
*Andrena lincolni* Viereck and Cockerell. 1914. Type, female.  
*Andrena moscovensis* Viereck and Cockerell. 1914. Type, female.  
*Andrena mustelicolor* Viereck. 1904. Type, female.  
*Andrena perezana* Viereck and Cockerell. 1914. Type, female.  
*Andrena pernuda* Viereck. 1904. Type, female.  
*Andrena piperi* Viereck. 1904. Type, female.  
*Andrena radmitricha* Viereck and Cockerell. 1914. Type, female.  
*Andrena solidula* Viereck. 1904. Type, female. Labeled *Andrena vicina solidula*.  
*Andrena swenki* Viereck and Cockerell. 1914. Type, female.  
*Andrena tetonorum* Viereck and Cockerell. 1914. Type, male.  
*Andrena topazana* Cockerell. 1906. Type, female.  
*Andrena vestali dolichocera* Viereck and Cockerell. 1914. Type, male.  
*Anthidium astragali* Swenk. 1913A. Type, male and female allotype.  
*Anthidium clypeodentatum* Swenk. 1913A. Type, female.  
*Anthidium hesperium* Swenk. 1913A. Type, female.  
*Anthidium hesperium dentipygum* Swenk. 1913A. Type, female.  
*Anthidium incurvatum* Swenk. 1913A. Type, male.  
*Anthidium nebrascense* Swenk. 1913A. Type, male and female allotype.  
*Anthidium praedentatum trianguliferum* Swenk. 1913A. Type, female.  
*Anthidium sagittipictum* Swenk. 1913A. Type, female.  
*Anthidium serranum* Cockerell. Swenk, 1913A. Allotype, female.  
*Anthidium transversum* Swenk. 1913A. Type, female.  
*Anthidium utahense* Swenk. 1913A. Type, male and female allotype.  
*Anthophora fumipennis* Swenk. 1909. Type, female.  
*Anthophora nebrascensis* Swenk. 1909. Type, female. labeled male.  
*Anthophora scutellaris* Swenk. 1909. Type, female.  
*Bombus bruneri* Swenk. 1938. Holotype, worker.  
*Bombus edwardsii fuscifrons* Swenk. 1938. Types, male, female and worker.

- Bombus leucomelas* Crawford and Swenk. 1903. Types, female and worker.
- Brachystegus maculipes* Mickel. 1916A. Type, female.
- Brachystegus metathoracicus* Smith. 1908. Type, female.
- Brachystegus trichrus* Mickel. 1916A. Type, female.
- Caupolicana albicollis* Smith. 1906A. Holotype, female and male allotype.
- Ceratina abdominalis* Smith. 1907. Types, male and female.
- Ceratina atrata* Smith. 1907. Type, male and female allotype.
- Ceratina auriviridis* Smith. 1907. Type, female.
- Ceratina bakeri* Smith. 1907. Type, male.
- Ceratina cockerelli* Smith. 1907A. Type, male and female allotype.
- Ceratina diodonta* Smith. 1907. Type, male and female allotype.
- Ceratina metallica* Smith. 1907. Type, male.
- Ceratina pacifica* Smith. 1907. Type, female.
- Cerceris alacris* Mickel. 1918. Type, female.
- Cerceris alceste* Mickel. 1918. Type, female.
- Cerceris arbuscula* Mickel. 1916A. Type, female.
- Cerceris architis* Mickel. 1916A. Type, female.
- Cerceris argia* Mickel. 1916A. Type, female.
- Cerceris cognata* Mickel. 1916A. Type, female.
- Cerceris complanata* Mickel. 1918. Type, female and male allotype.
- Cerceris conifrons* Mickel. 1916A. Type, female.
- Cerceris echo* Mickel. 1916A. Type, female.
- Cerceris flavofasciata* Smith. 1908. Type, female and male allotype from Mickel, 1916A.
- Cerceris fugatrix* Mickel. 1918. Type, male.
- Cerceris intractibilis* Mickel. 1916A. Type, female.
- Cerceris minax* Mickel. 1918. Type, female and male allotype.
- Cerceris munda* Mickel. 1918. Type, female and male allotype.
- Cerceris nebrascensis* Smith. 1908. Type, female.
- Cerceris pleuralis* Smith. 1908. Type, female and male allotype.
- Cerceris pudorosa* Mickel. 1918. Type, female and male allotype.
- Cerceris squamulifera* Mickel. 1916A. Type, female.
- Cerceris varians* Mickel. 1918. Type, female and male allotype.
- Ceolioxys bisoncornua* Hill. 1936. Holotype, female and male allotype.
- Colletes angelicus* Cockerell. Swenk, 1908. Allotype, female.

- Colletes banksi* Swenk. 1908. Type, female.  
*Colletes birkmanni* Swenk. 1906. Types, male and female.  
*Colletes bruneri* Swenk. 1904B. Type, female.  
*Colletes clypeonitens* Swenk. 1906A. Type, female.  
*Colletes crawfordi* Swenk. 1906. Type, female.  
*Colletes fraseriae* Swenk. 1908. Holotype, male.  
*Colletes fulgidus* Swenk. 1904A. Types, male and female.  
*Colletes hesperius* Swenk. 1906. Types, female and male.  
*Colletes howardi* Swenk. 1925. Holotype, female and male allotype.  
*Colletes inaequalis ferrugineus* Swenk. 1908. Type, male.  
*Colletes intermixtus* Swenk. 1905A. Type, female. Male allotype from Swenk 1908.  
*Colletes lacustris* Swenk. 1906. Types, male and female.  
*Colletes mesocopus* Swenk. 1907A. Types, male and female.  
*Colletes moctezumensis* Metz. 1910. Type, male.  
*Colletes nevadensis* Swenk. 1908. Type, male.  
*Colletes niger* Swenk. 1904B. Types, male and female.  
*Colletes ochraceus* Swenk. 1906A. Type, female and male allotype.  
*Colletes petalostemonis* Swenk. 1906A. Type, female and male allotype.  
*Colletes pleuralis* Swenk. 1906. Types, male and female.  
*Colletes productus* Robertson. 1891. Type, female.  
*Colletes robustus* Swenk. 1904. Types, female and male allotype.  
*Colletes scopiventer* Swenk. 1908. Types, male and female.  
*Colletes solidaginis* Swenk. 1906A. Types, male and female.  
*Colletes speciosus* Robertson. 1891. Allotype, male.  
*Colletes susanne* Swenk. 1925. Type, female and male allotype.  
*Crabro crassiceps* Mickel. 1916A. Type, female.  
*Crabro planaris* Mickel. 1916A. Type, male.  
*Crabro proletarius* Mickel. 1916A. Type, male.  
*Crabro viereckii* Smith. 1908. Type, female.  
*Dianthidium boreale* Robertson. Swenk, 1913A. Allotype, female.  
*Dianthidium jugatorium* (Say). Swenk, 1913A. Allotype, male.  
*Dianthidium peripictum coloradense* Swenk. 1913A. Type, female.

- Dianthidium subparvum* Swenk. 1913A. Type, female and male allotype.
- Dianthidium zebratum* Cresson. Swenk, 1913A. Allotype, female.
- Eucerceris conata* Scullen. 1939. Type, female.
- Eusapyga intermedia* Roberts. 1929. Holotype, female.
- Hoplisus corrugis* Mickel. 1918. Type, male.
- Hoplisus elegantulus* Smith. 1908. Type, male.
- Hoplisus rufocaudatus* Mickel. 1916A. Type, male.
- Hylaeus magniclavis* Swenk and Cockerell. 1910. Type, male and female allotype. Described as *Prosopis* but specimens labeled *Hylaeus*.
- Hypomellinus tricinctus* Mickel. 1916A. Type, female.
- Hypomellinus venustus* Mickel. 1916A. Type, male.
- Larropsis picina* Mickel. 1916A. Type, female and male allotype.
- Larropsis rubens* Mickel. 1918. Type, female.
- Larropsis yatesi* Mickel. 1918. Type, male.
- Lindenius buccadentis* Mickel. 1916A. Type, female and male allotype.
- Macropsis clypeata* Swenk. 1907A. Type, male.
- Megachile bruneri* Mitchell. 1933. Type, male.
- Megachile nebraskana* Mitchell. 1933. Type, female.
- Mellinogastra williamsi* Mickel. 1916A. Type, male.
- Mellinus wolcotti* Smith. 1908A. Type, female.
- Mimesa conica* Smith. 1908. Type, female. Specimen labeled male.
- Mimesa dawsoni* Mickel. 1916A. Type, male.
- Mimesa mandibularis* Smith. 1908. Type, female.
- Mimesa nebrascensis* Smith. 1908. Type, female.
- Myrmosa bradleyi* Roberts. 1929. Holotype, male.
- Nomada adducta* Cresson. Swenk, 1913. Allotype, female.
- Nomada alpha* Cockerell. Swenk, 1913. Allotype, male.
- Nomada amorphae* Swenk. 1913. Type, female and male allotype.
- Nomada angulata* Swenk. 1913. Type, female.
- Nomada aprilina* Swenk. 1913. Type, male.
- Nomada aquilarum* Cockerell. Swenk, 1913. Allotype, female.
- Nomada arenicola* Swenk. 1913. Type, female and male allotype.

- Nomada asteris* Swenk. 1913. Type, female.  
*Nomada aureopilosa* Swenk. 1913. Type, female.  
*Nomada belfragei* Cresson. Swenk, 1915. Allotype, male.  
*Nomada besseyi* Swenk. 1913. Type, male.  
*Nomada bicrista* Swenk. 1913. Type, male.  
*Nomada bilobata* Swenk. 1913. Type, female and male allotype.  
*Nomada bisetosa* Swenk. 1913. Type, female.  
*Nomada carolinae* Cockerell. Swenk, 1913. Allotype, male.  
*Nomada citrina flavomarginata* Swenk. 1913. Type, female and male allotype.  
*Nomada dacotensis* Swenk. 1913. Type, female.  
*Nomada dawsoni* Swenk. 1913. Type, male.  
*Nomada depressicauda* Cockerell. Swenk, 1913. Allotype, male.  
*Nomada elrodi* Cockerell. Swenk, 1913. Allotype, female.  
*Nomada flavopicta* Swenk. 1913. Type, female.  
*Nomada fuscicincta* Swenk. 1915. Type, male and female allotype.  
*Nomada hydrophylli* Swenk. 1915. Type, male.  
*Nomada idahoensis* Swenk. 1913. Type, male.  
*Nomada laramiensis* Swenk. 1913. Type, male.  
*Nomada maculiventer* Swenk. 1915. Type, female and male allotype.  
*Nomada mediana* Swenk. 1913. Type, female.  
*Nomada minuta* Swenk. 1913. Type, female.  
*Nomada nebrascensis* Swenk. 1913. Type, female.  
*Nomada nigrociliata* Swenk. 1913. Type, female.  
*Nomada nigrofasciata* Swenk. 1913. Type, female.  
*Nomada obtusata* Swenk. 1915. Type, female. Specimen labeled *obtusa*.  
*Nomada ochrohirta* Swenk. 1913. Type, female.  
*Nomada omahaensis* Swenk. 1915. Type, male.  
*Nomada pallidapicta* Swenk. 1913. Type, male.  
*Nomada pallidelutea* Swenk. 1915. Type, female and male allotype.  
*Nomada parallela* Swenk. 1913. Type, male.  
*Nomada propinqua* Swenk. 1913. Type, female and male allotype.  
*Nomada rubi* Swenk. 1915. Type, male and female allotype.  
*Nomada salicicola* Swenk. 1913. Type, male.

- Nomada schwarzi* Cockerell. 1903A. Allotype, female.  
*Nomada simplicicoxa* Swenk. 1915. Type, female and male allotype.  
*Nomada siouxensis* Swenk. 1913. Type, female.  
*Nomada subnigrocincta* Swenk. 1915. Type, female and male allotype.  
*Nomada subpacata* Swenk. 1913. Type, female.  
*Nomada subrubi* Swenk. 1915. Type, male and female allotype.  
*Nomada superba malvastri* Swenk. 1913. Type, male.  
*Nomada taraxacella* Cockerell. Swenk, 1913. Allotype, male.  
*Nomada tricurta* Swenk. 1915. Type, female and male allotype.  
*Nomada ultimella septentrionalis* Swenk. 1913. Type, female.  
*Nomada utensis* Swenk. 1913. Type, female and male allotype.  
*Nomada velutina* Swenk. 1913. Type, female.  
*Nomada vicinalis* Cresson. Swenk, 1913. Allotype, female.  
*Nomada vicina stevensi* Swenk. 1913. Type, female and male allotype.  
*Nomada vierecki convolvuli* Swenk. 1913. Type, female and male allotype.  
*Nomada wyomingensis* Swenk. 1913. Type, female.  
*Nomada ziziae* Swenk. 1915. Type, female and male allotype.  
*Notoglossa albomaculata* Mickel. 1918. Type, male.  
*Notoglossa decorosa* Mickel. 1916A. Type, female.  
*Notoglossa incisura* Mickel. 1916A. Type, male.  
*Notoglossa minor* Mickel. 1916A. Type, male.  
*Notoglossa striatifrons* Mickel. 1916A. Type, male.  
*Nysson angularis* Smith. 1908. Type, male.  
*Ococletes bicinctus* Mickel. 1916A. Type, female.  
*Ococletes hirticulus* Mickel. 1918. Type, male.  
*Ococletes illustris* Mickel. 1918. Type, female.  
*Ococletes ventralis* Mickel. 1918. Type, female.  
*Oxybelus albosignatus* Smith. 1908. Type, female.  
*Oxybelus apicatus* Smith. 1908. Type, male.  
*Oxybelus argentarius* Mickel. 1916A. Type, female.  
*Oxybelus delicatus* Mickel. 1918. Type, male.  
*Oxybelus fastigatus* Mickel. 1916A. Type, male and female allotype.  
*Oxybelus glenensis* Smith. 1908. Type, female.  
*Oxybelus major* Mickel. 1916A. Type, male.  
*Oxybelus mottensis* Mickel. 1918. Type, female.



- Oxybelus pectorosus* Mickel. 1918. Type, male.  
*Oxybelus umbrosus* Mickel. 1916A. Type, male.  
*Oxybelus unicus* Mickel. 1918. Type, female.  
*Panurginus expallidus* Swenk and Cockerell. 1907A. Type, male.  
*Panurginus horizontalis* Swenk and Cockerell. 1907A. Type, male.  
*Panurginus malvastri* Swenk and Cockerell. 1907A. Types, male and female.  
*Panurginus simulans* Swenk and Cockerell. 1907A. Types, male and female.  
*Panurginus stigmalis* Swenk and Cockerell. 1907A. Types, male and female.  
*Paratiphia magna* Roberts. 1929. Holotype, female.  
*Perdita dolichocephala* Swenk and Cockerell. 1907. Type, female.  
*Perdita maura* Cockerell. 1901. Cotypes, male and female.  
*Perdita perpallida* Cockerell. 1901. Cotypes, females.  
*Philanthus barbiger* Mickel. 1916A. Type, male and female allotype.  
*Philanthus siouxensis* Mickel. 1916A. Type, female.  
*Philanthus tarsatus* Smith. 1908. Type, female.  
*Podolonia parallela* Murray. 1940. Allotype, female.  
*Prosopis excavata* Swenk and Cockerell. 1910. Type, female.  
*Prosopis grossicornis* Swenk and Cockerell. 1910. Type, male.  
*Prosopis megalotis* Swenk and Cockerell. 1910. Type, male and female allotype.  
*Prosopis subtristis* Swenk and Cockerell. 1910. Type, female.  
*Prosopis supracurta* Swenk and Cockerell. 1910. Type, male.  
*Pseudomethoca paludata* Mickel. 1924. Holotype, female.  
*Pseudomethoca scrupulosa* Mickel. 1924. Holotype, male.  
*Pseudomethoca simillima* Smith. Mickel, 1924. Allotype, male.  
*Pseudoplisus infumatus* Mickel. 1916A. Type, male.  
*Pseudoplisus varipunctus* Smith. 1908. Type, female.  
*Sapyga interrupta* Roberts. 1929. Holotype, female.  
*Sapyga minor* Roberts. 1933. Holotype, male.  
*Sapyga russellensis* Roberts. 1929. Holotype, female.  
*Solenius conspiciendus* Mickel. 1918. Type, male and female allotype.  
*Stelis arizonensis* Swenk. 1915. Type, female and male allotype.

- Stelis idahoensis* Swenk. 1913A. Type, female.  
*Stelis pulchra* Crawford. 1902. Type, female.  
*Stelis rubi* Cockerell. Swenk, 1913A. Allotype, male.  
*Stelis subemarginata* Cresson. Swenk, 1915. Allotype, male.  
*Stictia exigua* (Fox). Mickel, 1916A. Allotype, male.  
*Stictia spinifera* Mickel. 1916A. Type, male.  
*Stictiella corniculata* Mickel. 1918. Type, male.  
*Stigma reticulatus* Mickel. 1918. Type, female.  
*Stizus strenuus* Mickel. 1918. Type, male and female holotype.  
*Tachysphex angularis* Mickel. 1916A. Type, male.  
*Tachysphex erythreus* Mickel. 1916A. Type, female.  
*Tachysphex granulatus* Mickel. 1916A. Type, female.  
*Tachysphex maestus* Mickel. 1916A. Type, male.  
*Tachysphex punctulatus* Smith. 1906. Type, female.  
*Tachysphex sanguinosus* Mickel. 1916A. Type, female.  
*Tachysphex zimmeri* Mickel. 1916A. Type, female.  
*Tachytes austerus* Mickel. 1916A. Type, female.  
*Tachytes maestus* Mickel. 1916A. Type, female.  
*Tiphia diminuta* Roberts. 1933. Holotype, male and female allotype.  
*Thyreopus bruneri* Mickel. 1916A. Type, male and female allotype.  
*Thyreopus knoxensis* Mickel. 1916A. Type, male.  
*Thyreopus stygius* Mickel. 1916A. Type, female.  
*Thyreopus utens* Mickel. 1916A. Type, female.  
*Trypoxylon arizonense* Fox. Mickel. 1918. Allotype, female.  
*Viereckella obscura* Swenk. 1907. Type, tongue of female type on slide.  
*Xylocelia antennatus* Mickel. 1916. Type, male.  
*Xylocelia ater* Mickel. 1916. Type, female.  
*Xylocelia maestus* Mickel. 1916. Type, male.  
*Xylocelia metathoracicus* Mickel. 1916. Type, female.  
*Xylocelia siouxensis* Mickel. 1916. Type, female.  
*Xylocelia spiniferus* Mickel. 1916. Type, female.  
*Xylocelia striatus* Mickel. 1916. Type, female.

#### Secondary Types

- Agapostemon coloradensis* Crawford. 1901. Metatype, female.  
*Andrena astragali* Viereck and Cockerell. 1914. Paratype, male.

- Andrena campanulae* Viereck and Cockerell. 1914. Paratype, male.
- Andrena erigenoides* Viereck. 1904. Metatype, male.
- Andrena extensa* Viereck. 1924. Paratype, female.
- Andrena fulvicrista* Viereck. 1924. Paratype, female.
- Andrena haynesi* Viereck and Cockerell. 1914. Paratype, female.
- Andrena nortoni* Viereck. 1916. Paratype, female.
- Andrena pallidifovea* Viereck. 1904. Paratype, female.
- Andrena trapezoidina* Viereck and Cockerell. 1914. Paratypes, females.
- Anthidium astragali* Swenk. 1913A. Paratypes, males and females.
- Anthidium hesperium* Swenk. 1913A. Paratype, female.
- Anthidium hesperium dentipygum* Swenk. 1913A. Paratype, female.
- Anthidium incurvatum* Swenk. 1913A. Paratypes, males.
- Anthidium nebrascense* Swenk. 1913A. Paratypes, males.
- Anthidium utahense* Swenk. 1913A. Paratypes, males and female.
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